



Australian Government

Department of Education, Employment and Workplace Relations

TLI40710 Certificate IV in Transport and Logistics (Rail Infrastructure)

Release: 1

TLI40710 Certificate IV in Transport and Logistics (Rail Infrastructure)

Modification History

Not Applicable

Description

Rationale:

A general qualification for the infrastructure sector of the Rail Industry. Successful completion will require competency in units that relate to work defined as aligned at AQF Level 4.

Performance of a broad range of skilled applications including requirements to evaluate and analyse current practices, develop new criteria and procedure for performing current practices, and provision of some leadership and guidance to others in the application and planning of the skills.

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Entry requirements:

The entry requirements for this qualification are successful completion of one of TLI32510 Certificate III in Rail Infrastructure, TLI32110 Certificate III in Rail Structures, TLI31810 Certificate III in Track Surfacing or TLI31910 Certificate III in Mechanical Rail Signalling or equivalent vocational competency gained by working within the rail infrastructure environment.

Employability Skills Summary

Employability Skills Summary for

TLI40710 Certificate IV in Transport and Logistics (Rail Infrastructure)

The following table contains a summary of the employability skills as identified by the Transport and Logistics Industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on packaging options.

Employability Skill

Industry/enterprise requirements for this qualification include:

Communication

- Establish and implement communication systems and procedures required for construction and maintenance operations on rail infrastructure
- Listen to and interpret verbal information related to construction and maintenance operations on rail infrastructure
- Read and interpret relevant regulations, instructions, signs and labels applicable to construction and maintenance operations on rail infrastructure
- Speak clearly and directly on diverse and complex matters related to construction and maintenance operations on rail infrastructure
- Write documents as part of duties, including completion of relevant forms, maintenance schedules and accident and incident reports
- Negotiate complex issues with others in the course of construction and maintenance operations on rail infrastructure
- Recognise and interpret non-verbal signs, signals and behaviour
- Use relevant communication equipment.

Teamwork

- Provide leadership to rail infrastructure

Employability Skill**Industry/enterprise requirements for this qualification include:**

- personnel
- Motivate others in the workplace
- Collaborate with others in the course of construction and maintenance operations on rail infrastructure
- Manage the resolution of any interpersonal conflicts that may arise during construction and maintenance operations on rail infrastructure
- Manage the avoidance and prevention of harassment of others in the workplace
- Manage persons of different ages, gender, race, religion, political persuasion, etc.

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Employability Skill**Industry/enterprise requirements for this qualification include:****Problem solving**

- Identify and solve or report complex problems arising in the course of construction and maintenance operations on rail infrastructure
- Monitor and anticipate problems that may occur in the course of construction and maintenance operations on rail infrastructure including hazards and risks and take appropriate action to report or resolve the problems within limits of responsibility
- Manage the control of hazards and risks in a range of complex and diverse situations that may arise during construction and maintenance operations on rail infrastructure
- Use mathematics to solve problems such as various calculations related to a wide range of construction and maintenance operations on rail infrastructure.

Initiative and enterprise

- Modify activities dependent on differing situations and contingencies during construction and maintenance operations on rail infrastructure
- Take appropriate initiatives in a diverse range of operational situations such as those above
- Manage the response to any changes in equipment, standard operating procedures and the working environment.

Employability Skill	Industry/enterprise requirements for this qualification include:
Planning and organising	<ul style="list-style-type: none"> • Implement and monitor operational and emergency plans, systems and procedures • Implement and monitor systems and procedures for maintaining compliance with regulations and codes of practice • Monitor the implementation of the workplace security and safety management systems (where applicable) • Monitor and evaluate operational performance and compliance • Collect and interpret information needed when supervising construction and maintenance operations on rail infrastructure • Organise and plan own supervisory activities • Manage time and priorities in the course of construction and maintenance operations on rail infrastructure operations.

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Employability Skill	Industry/enterprise requirements for this qualification include:
Self management	<ul style="list-style-type: none"> • Interpret and apply relevant rail regulations and instructions • Establish and follow own work plans and schedules • Evaluate and monitor own work performance.
Learning	<ul style="list-style-type: none"> • Organise learning and assessment activities for others in the workplace • Manage adaptation of others in the workplace to any changes in construction and maintenance operations on rail infrastructure and the related workplace operating environment • Instruct, coach or mentor others in the workplace as required • Contribute to the assessment of the competence of others in the workplace • Assist in creating a learning environment in the workplace • Adapt own competence in response to any changes in construction and maintenance operations on rail infrastructure

Employability Skill**Industry/enterprise requirements for this qualification include:**

- Update own knowledge and skills required when supervising or carrying out construction and maintenance operations on rail infrastructure.

Employability Skill**Industry/enterprise requirements for this qualification include:****Technology**

- Use complex equipment and systems required during construction and maintenance operations on rail infrastructure
- Implement and monitor operational and maintenance procedures and systems for equipment used during construction and maintenance operations on rail infrastructure
- Implement and monitor the application of OH&S procedures when supervising construction and maintenance operations on rail infrastructure equipment and facilities.

Packaging Rules**Requirements for completion of the qualification:**

A successful assessment outcome, comprising:

(a) **7 units** aligned at AQF 4 made up of:

- at least 5 units and up to 7 units from those listed below (aligned at AQF 4)
- up to 2 suitable units (aligned at AQF 4) drawn with appropriate contextualisation from other Transport and Logistics Certificate IV qualifications, other relevant endorsed Training Package or accredited course

Where the choice of a unit from another currently endorsed national Training Package or accredited course is made, this unit must contribute towards the vocational outcome of the qualification.

Where imported units are selected, care must be taken to ensure that all pre-requisites specified are complied with.

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Units can be packaged together to meet the specific supervisory, leadership and advanced technical needs of occupations while also providing options for multi-skilling. (Note that this may include basic units needed in an occupation which may also be packaged in a lower level occupation.)

Importantly, the flexibility of packaging with the qualification framework must be considered within the responsibility of individuals, enterprises and/or registered training organisations to package units to meet the legislative requirements and/or industry codes of practice necessary at the occupational levels.

Units are discrete from each other; however units may be clustered and delivered and/or assessed concurrently and/or holistically.

Field	Unit
B Equipment Checking	TLIB4042A Conduct inspection of safeworking

Field	Unit
and Maintenance	procedures and infrastructure TLIB4071A Install and maintain pole mounted switches and transformers

Field	Unit
C Vehicle Operation	TLIC4006A Drive multi-combination vehicle
D Load Handling	TLID4008A Monitor crane operations TLID4009A Direct crane operations TLID4030A Supervise mobile crane operations
E Communication and Calculation	TLIE4006A Collect, analyse and present workplace data and information TLIE4013A Apply workplace statistics
F Safety Management	TLIF4007A Implement and coordinate accident-emergency procedures TLIF4014A Develop and maintain a safe workplace
G Teamwork	TLIG4006A Facilitate work teams
I Customer Service	TLII4001A Coordinate quality customer service
L Resource Management	TLIL4005A Apply conflict/grievance resolution strategies TLIL4009A Manage personal work priorities and professional development TLIL4032A Implement equal employment equity strategies TLIL4033A Promote effective workplace practice TLIL4036A Develop rosters TLIL4037A Apply and amend rosters
P Administration and Finance	TLIP4001A Develop plans to meet customer and organisation needs TLIP4002A Facilitate and capitalise on change in the workplace TLIP4005A Manage workplace information

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Field	Unit
S Construction and Installation	TLIS4007A Decommission mechanical signalling infrastructure equipment and interlocking equipment from service
U Environment	TLIU4001A Implement and monitor environmental protection policies and procedures

